IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Alan S. Hodes

Application No.: 10/788,532

Filed: February 27, 2004

Title: PATENT ANALYSIS AND
FORMULATION USING ONTOLOGIES

Attorney Docket No.:

Examiner: Not Yet Assigned

Group: 2171

Confirmation No.: 6928

INFORMATION DISCLOSURE STATEMENT
37 CFR §§1.56 AND 1.97(b)

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached PTO Form 1449, copies of which are attached*, may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application. The copies of 34 non-U.S. Patent References are provided on the attached CD-ROM in Adobe PDF format, and one is attached in hardcopy form.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114. Accordingly, it is

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*(Copies of U.S. Patents and Patent Publications are not enclosed)

believed that no fees are due in connection with the filing of this Information Disclosure Statement.

Respectfully submitted,

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*(Copies of U.S. Patents and Patent Publications are not enclosed)

Form 1449 (Modified)	Atty Docket No.	Application No.: 10/788,532
Information Disclosure Statement By Applicant (Use Several Sheets if Necessary)	Applicant: Alan S. Hodes Filing Date 02/27/04	Group 2171

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A	5,418,943*	5/23/95	Borgida et al.	395	600	10/23/91
	B	5,724,571*	3/3/98	Woods	395	605	7/7/95
	C	5,754,840*	5/19/98	Rivette et al.	395	602	1/23/96
	D	5,774,833*	6/30/98	Newman	704	9	12/8/95
	E	5,819,258*	10/6/98	Vaithyanathan, et al.	707	2	3/7/97
	F	5,991,751*	11/23/99	Rivette et al.	707	1	6/2/97
	G	5,991,780*	11/23/99	Rivette et al.	707	512	4/3/98
	H	6,014,663*	1/11/00	Rivette et al.	707	4	4/10/98
	I	6,038,561*	3/14/00	Snyder et al.	707	6	9/15/97
	J	6,041,331*	3/21/00	Weiner et al.	707	103	12/12/97
	K	6,076,088*	6/13/00	Paik et al.	707	5	2/6/97
	L	6,101,491*	8/8/00	Woods	707	3	3/31/97
	M	6,167,370*	12/26/00	Tsourikov, et al.	704	9	5/27/99
	N	6,182,063*	1/30/01	Woods	707	3	3/31/97
	O	6,263,335*	7/17/01	Paik et al.	707	5	3/29/99
	P	6,282,538*	8/28/01	Woods	707	5	2/11/98
	Q	6,389,418*	5/14/02	Boyack et al.	707	6	2/9/00
	R	6,442,545*	8/27/02	Feldman et al.	707	6	6/1/99
	S	6,453,315*	9/17/02	Weissman et al.	707	5	11/1/99
	T	6,532,649*	3/11/03	Feldman et al.	707	102	9/20/99
	U	6,594,658*	7/15/03	Woods	707	5	12/12/00
	V	6,665,670*	12/16/03	Winer et al.	707	6	3/30/01
	W	6,665,681*	12/16/03	Vogel	707	101	4/9/99
	X	20020163541*	11/7/02	Williams	345	764	5/3/01
	Y	20020035499*	3/21/02	Germeraad et al.	705	9	2/23/01
	Z	20020073095*	6/13/02	Ohga	707	102	12/6/01
	AA	20020174131*	11/21/02	Winer et al.	707	102	3/30/01
	BB	20020178029*	11/28/02	Nutter et al.	705	1	5/14/02
	CC	20030061133*	3/27/03	Nutter et al.	705	30	9/25/02

Examiner	Date Considered

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* U.S. Patents and Published Applications are not supplied.

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Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation Yes	No
	DD	WO 98/16890	4/23/98	PCT	G06F	17/30		
	EE	WO 00/60496	10/12/00	PCT	G06F	17/00		
	FF	WO 01/90921	11/29/01	PCT	G06F	17/00		
	GG	WO 02/05133	1/17/02	PCT	G06F	17/30		
	HH	WO 02/33590	4/25/02	PCT	G06F	17/30		
	II	WO 03/04418	5/30/03	PCT	G06F	17/60		

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	JJ	Baclawski et al., "*Knowledge Representation and Indexing Using The Unified Medical Language System*," 2000, 12 Pages.
	KK	Woods, William A., "*Conceptual Indexing: A Better Way to Organize Knowledge*," © Copyright 1997, Sun Microsystems, Inc., 99 Pages.
	LL	Chen et al., "*A Protein Patent Query System Powered By Kleisli*," © 1998, BioInformatics Centre & Kent Ridge Digital Laboratories, 3 Pages.
	MM	Delphi Group White Paper, "*Taxonomy & Content Classification Market Milestone Report Featuring a Delphi Group Assessment of: SEMIO*," Semio Corporation, 28 Pages.
	NN	Gómez, et al., "*Flexible Comparison of Conceptual Graphs*," Proc. DEXA-2001, 12th International Conference and Workshop on Database and Expert Systems Applications. Lecture Notes in Computer Science, N 2113, Springer-Verlag, 2001, pp. 102-111.
	OO	Guarino, et al., "*Ontological Analysis of Taxonomic Relationships*," Published in, Laender, A., and Storey, V., eds., Proceedings of ER-2000: The International Conference on Conceptual Modeling. October, 2000. Springer-Verlag LNCS, 15 pages.
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	PP	Lamirel et al., *"Intelligent patent analysis through the use of a neural network: experiment of multi-viewpoint analysis with the MultiSOM model,"* Proceedings of the ACL-2003 Workshop on Patent Corpus Processing, pp. 7-23.
	QQ	Larkey, Leah S., *"A Patent Search and Classification System,"* © 1999, Center for Intelligent Information Retrieval Department of Computer Science University of Massachusetts, 9 Pages.
	RR	Lonergan, J. E., *"Lexical Knowledge Engineering: MikroKosmos Revisited,"* © 2001, Department of Curriculum and Instruction & Department of Computer Science, New Mexico State University, 5 pages.
	SS	Mahesh, Kavi, *" Ontology Development for Machine Translation: Ideology and Methodology,"* MCCS-96-292, Computing Research Laboratory New Mexico State University, 87 Pages.
	TT	Nasukawa et al., *"Text analysis and knowledge mining system,"* IBM Systems Journal, Vol 40, No 4, 2001, 18 pages.
	UU	O'Hara, et al., *"Lexical Acquisition with WordNet and the Mikrokosmos Ontology,"* ©1998, Computing Research Laboratory, New Mexico State University, 8 Pages.
	VV	Lenci, Alessandro, *"Ontologies and the Lexicon(1),"* Università di Pisa - Department of Linguistics & Istituto di Linguistica Computazionale – CNR, Copenhagen - May 19-21 2003, 43 Pages.
	WW	Onyshkevych, et al., "A Lexicon for Knowledge-Based MT," © 1995, 49 Pages.
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Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	XX	Burgun, et al., *"Mapping the UMLS Semantic Network into General Ontologies,"* Proceedings of AMIA Annual Symposium 2001;:86-90. © 2001 AMIA, Inc., 5 Pages.
	YY	Lamerial, et al., *"Intelligent Patent Analysis Through the Use of a Neural Network: Experiment of Multi-point Analysis with the MultiSOM Model,"* Association of Computational Linguistics 2003 Workshop on Patent Corpus Processing, Sapporo, July 2003, 14 Pages.
	ZZ	Sanderson, et al., *"Deriving Concept Hierarchies From Text,"* 8 Pages.
	AAA	Sheremetyeva, Svetlana, *"Natural Language Analysis of Patent Claims,"* Department of Computational Linguistics, Copenhagen Business School, Denmark, July 12, 2003, 8 Pages.
	BBB	Sheremetyeva, et al., *"Generating Patent Claims From Interactive Input,"* © 1996, Computing Research Laboratory, New Mexico State University & Carnegie Group, Inc., 10 Pages.
	CCC	Sowa, J.F., *"Architectures For Intelligent Systems,"* IBM Systems Journal, Vol 41, No 3, 2002, 19 Pages.
	DDD	Stanescu, et al., *"Ontologies for Learning Agents: Problems, Solutions and Directions,"* Learning Agents Laboratory, George Mason University, VA, August 9, 2003, 8 Pages.
	EEE	Synthema (Fredrico Neri), *"A New Way to Explore Patents Databases,"* Pisa, Italy, http://www.synthemia.it/textmining, 4 Pages.
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	FFF	Radwan, et al., "*Textual Database Lexicon Used As A Filter To Resolve Semantic Ambiguity Application On Multilingual Information Retrieval*," Institut National des Sciences et Techniques Nucléaires, Centre d'Etudes de Saclay, France, 12 Pages.
	GGG	Moreno, et al., "*From Text to Ontology: Extraction and Representation of Conceptual Information*," Conférence TIA-2001, Nancy, 3 et 4 mai 2001, 11 Pages.
	HHH	Onyshkevych, et al., "Lexicon, Ontology and Text Meaning," © 1991, 12 Pages.
	III	Woods et al, "*Linguistic Knowledge Can Improve Information Retrieval*," December 1999, 15 Pages.
	JJJ	Budo-Marek, Andrej, "*Intellectual Asset Management*," European Domains Group, Xerox Global Services, 13 Pages.
	KKK	
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